

FIG.1

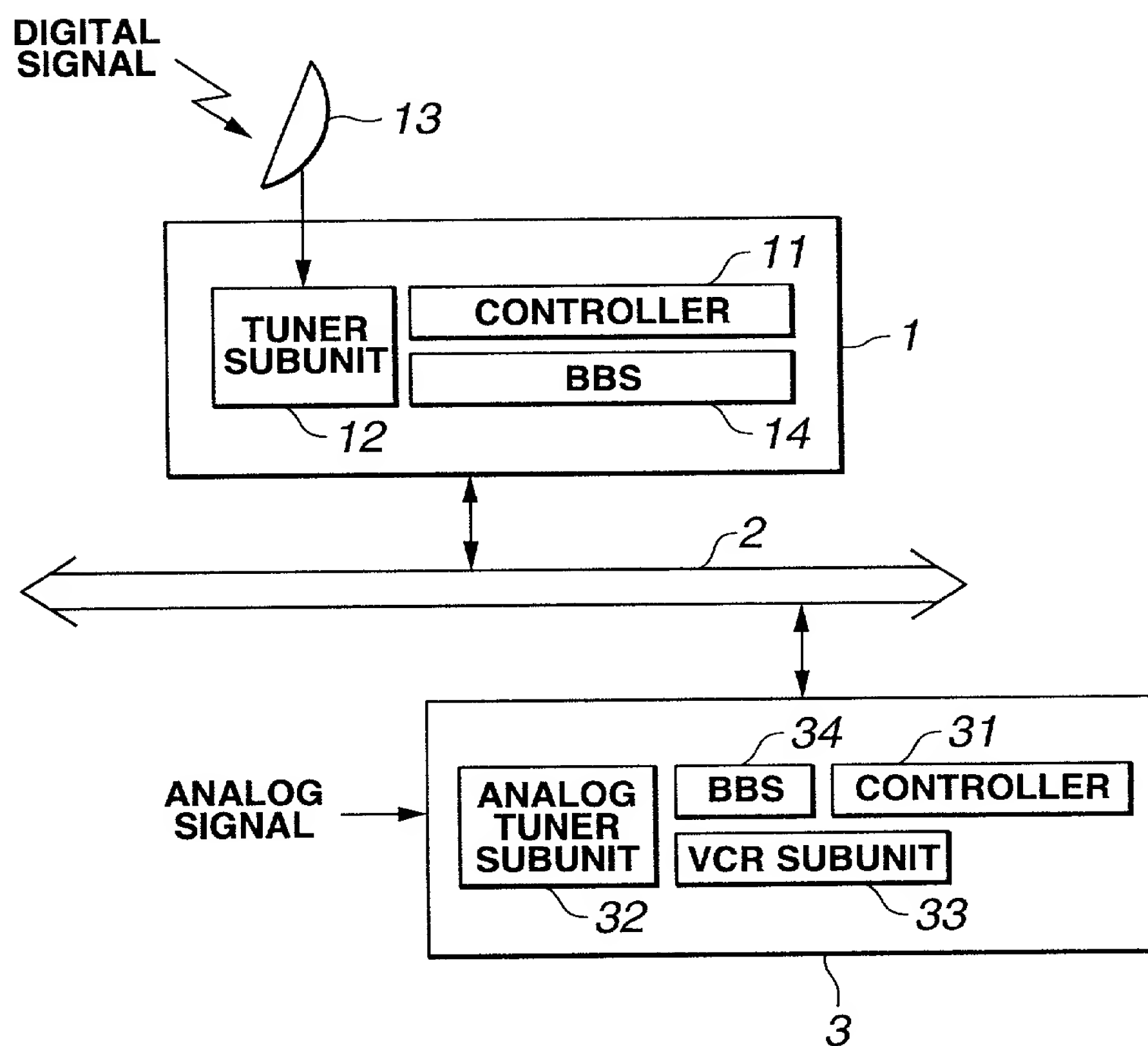


FIG.2

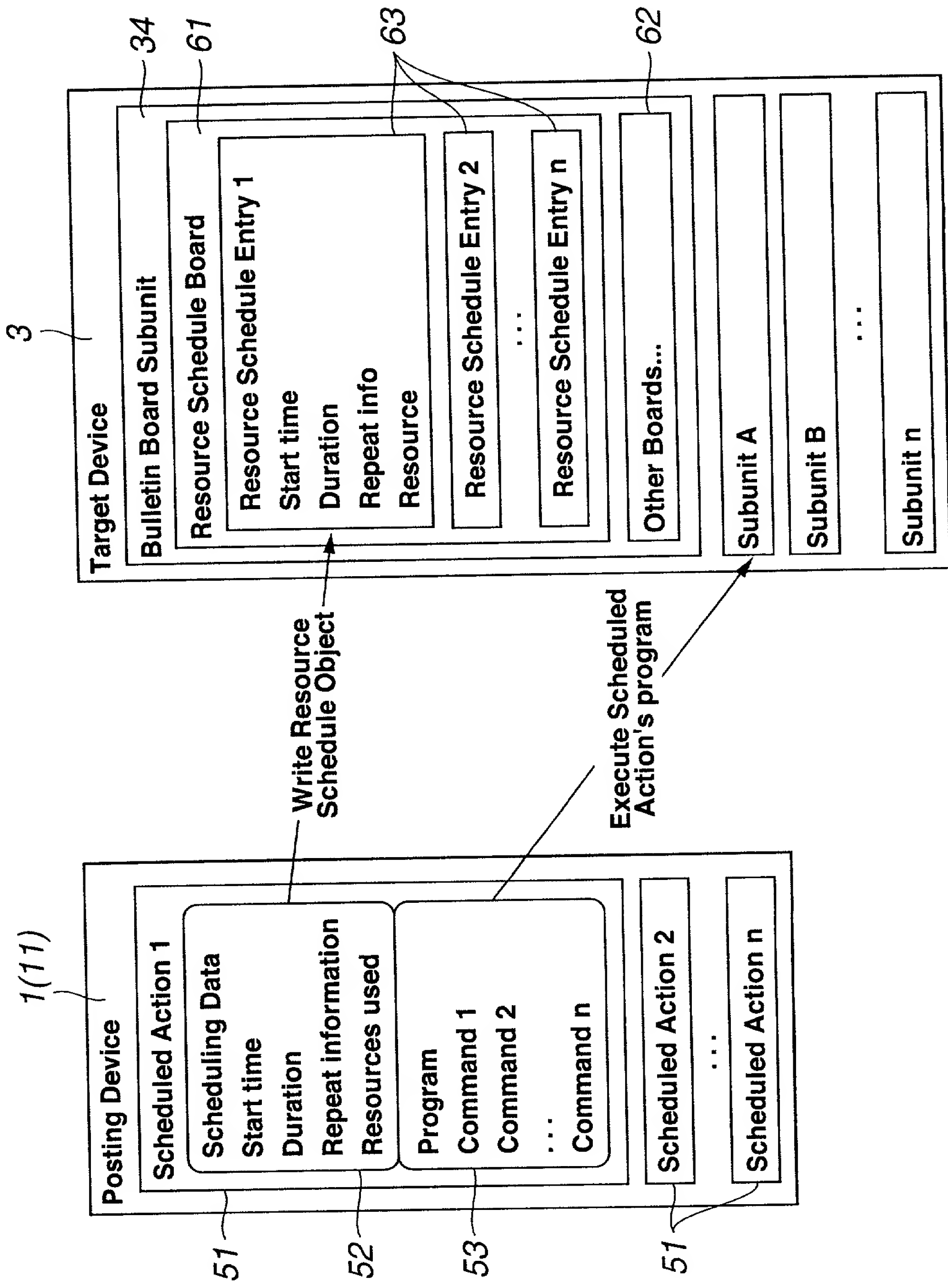


FIG. 3

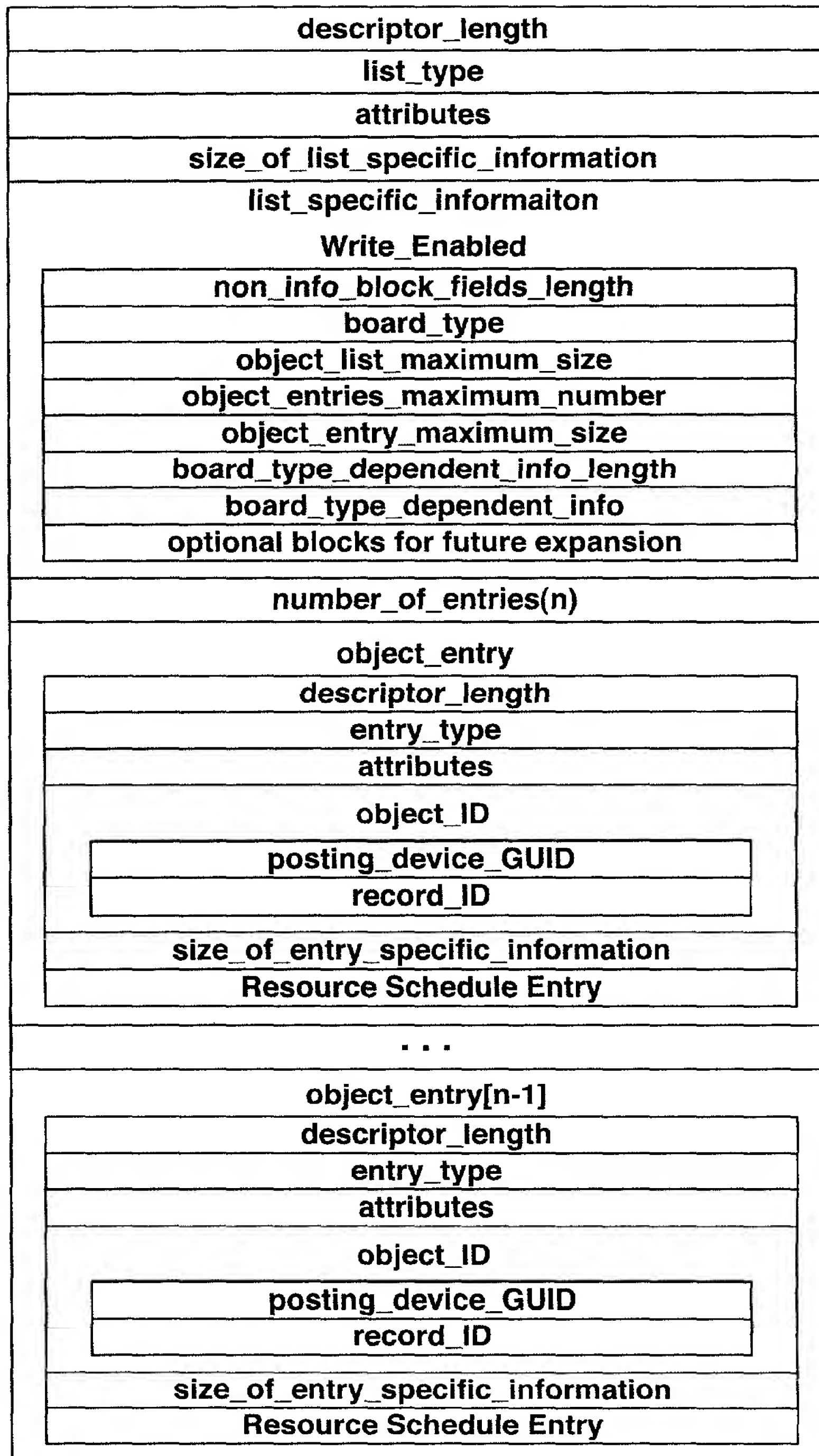


FIG.4

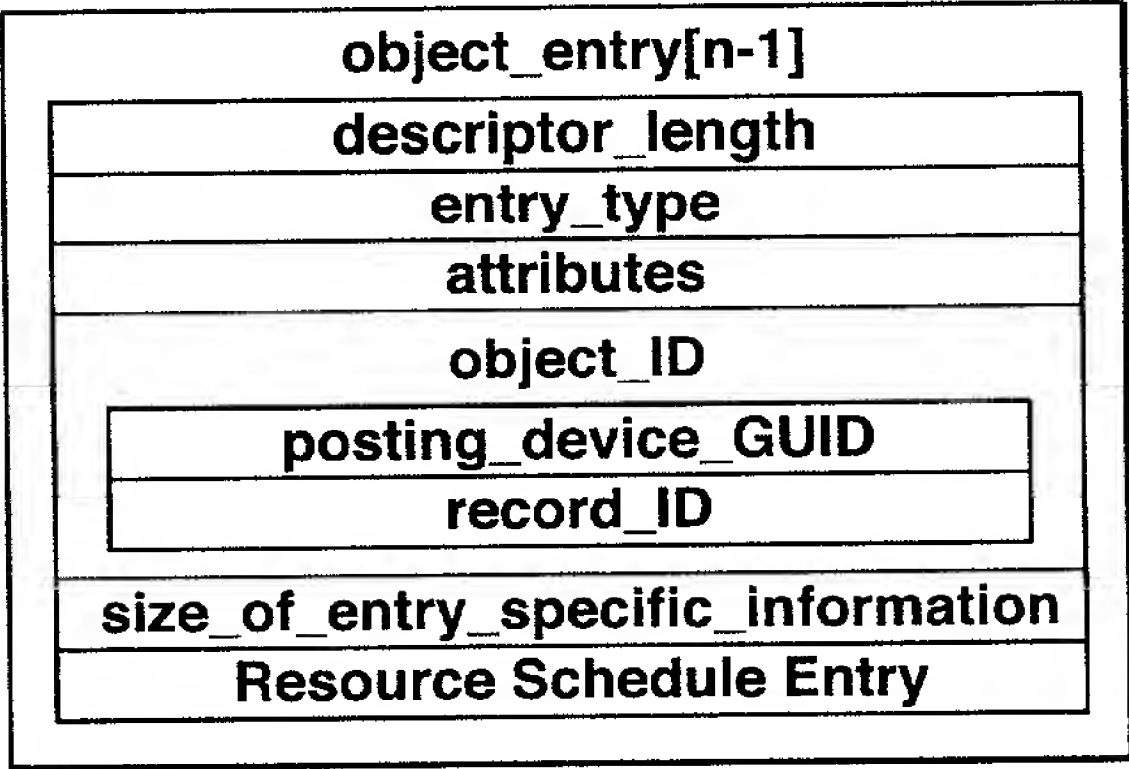
00000000 00000000 00000000 00000000

Address_offset	Contents
00 <sub>16</sub>	non_info_block_fields_length
01 <sub>16</sub>	
02 <sub>16</sub>	board_type
03 <sub>16</sub>	object_list_maximum_size
04 <sub>16</sub>	
05 <sub>16</sub>	object_entries_maximum_number
06 <sub>16</sub>	
07 <sub>16</sub>	object_entry_maximum_size
08 <sub>16</sub>	
09 <sub>16</sub>	board_type_dependent_information_length
0A <sub>16</sub>	
0B <sub>16</sub>	board_type_dependent_information
0C <sub>16</sub>	
0D <sub>16</sub>	
:	optional info blocks for future expansion
:	
:	

FIG.5

Value	Board type
00 <sub>16</sub>	Reserved
01 <sub>16</sub>	Resource Schedule Board
02 <sub>16</sub> -FF <sub>16</sub>	Reserved for future specification

FIG.6



Resource Schedule Entry high level view

FIG.7

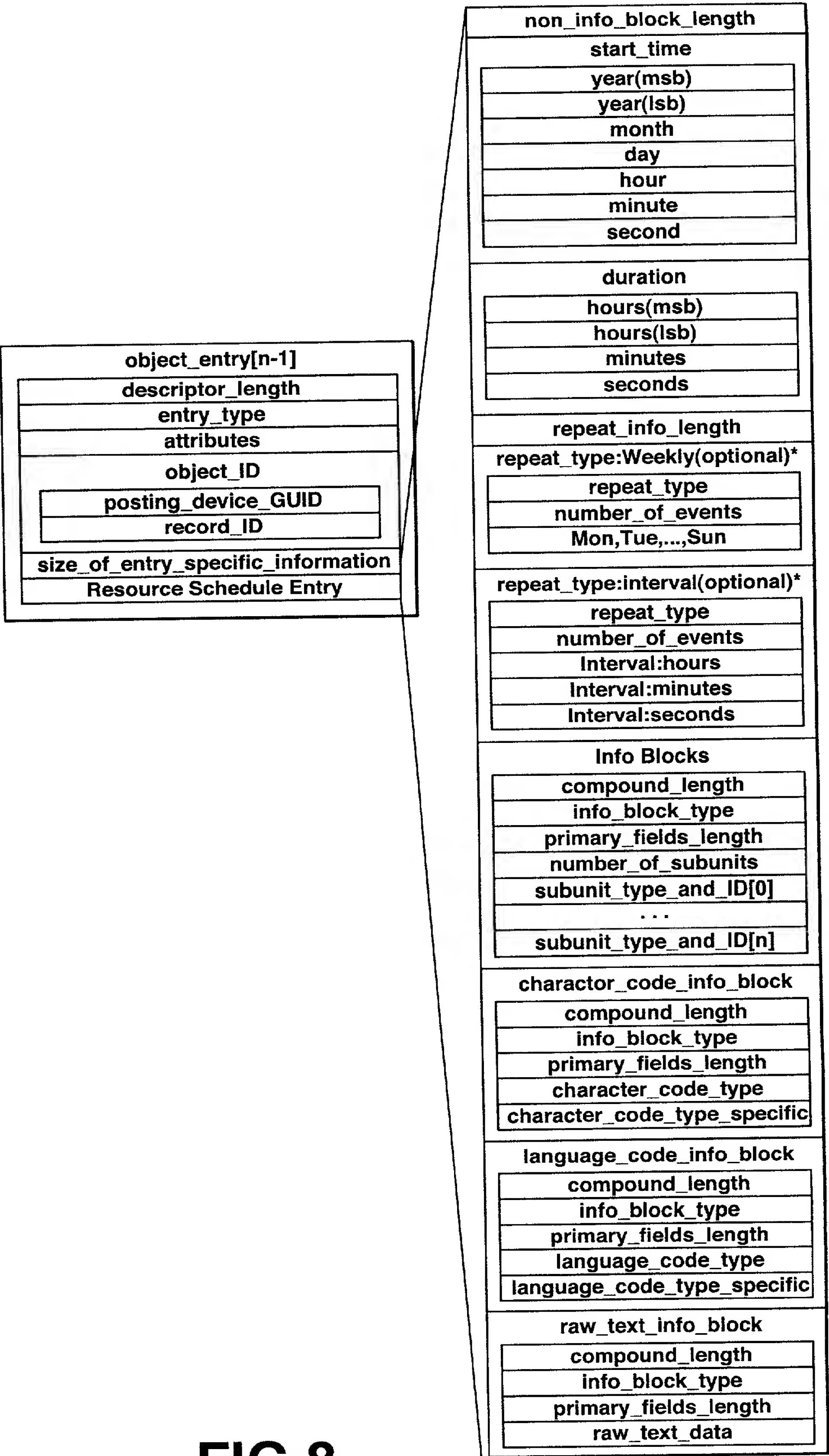


FIG.8

[illegible]

Address_offset	Contents
00 <sub>16</sub>	year(msb)
01 <sub>16</sub>	year(lsb)
02 <sub>16</sub>	month
03 <sub>16</sub>	day
04 <sub>16</sub>	hour
05 <sub>16</sub>	minute
06 <sub>16</sub>	second

**FIG.9**

Address_offset	Contents	
00 <sub>16</sub>	Reserved(4 bits)	hours(msb)
01 <sub>16</sub>	hours(lsb)	
02 <sub>16</sub>	minutes	
03 <sub>16</sub>	seconds	

FIG.10





[illegible]

address_offset	contents	
0E <sub>16</sub>	repeat_type	
0F <sub>16</sub>	number_of_events	
10 <sub>16</sub>	Reserved(4 bits)	Interval:hours(msb)
11 <sub>16</sub>	interval:hours(lsb)	
12 <sub>16</sub>	interval:minutes	
13 <sub>16</sub>	interval:seconds	

**FIG.13**

address_offset	contents
00 <sub>16</sub>	compound_length
01 <sub>16</sub>	
02 <sub>16</sub>	info_block_type
03 <sub>16</sub>	
04 <sub>16</sub>	primary_fields_length
05 <sub>16</sub>	
06 <sub>16</sub>	number_of_subunits
07 <sub>16</sub>	subunit_type_and_ID[0]
:	:

**FIG.14**

character_code_info_block	
Adress_offset	Contents
00 00 <sub>16</sub>	compound_length
00 01 <sub>16</sub>	
00 02 <sub>16</sub>	info_block_type=00 08 <sub>16</sub> (character_code_info_block)
00 03 <sub>16</sub>	
00 04 <sub>16</sub>	primary_fields_length
00 05 <sub>16</sub>	
00 06 <sub>16</sub>	character_code_type
00 07 <sub>16</sub>	character_code_type_specific
:	
:	

**FIG.15**

language_code_info_block	
Adress_offset	Contents
00 00 <sub>16</sub>	compound_length
00 01 <sub>16</sub>	
00 02 <sub>16</sub>	info_block_type=00 09 <sub>16</sub> (language_code_info_block)
00 03 <sub>16</sub>	
00 04 <sub>16</sub>	primary_fields_length
00 05 <sub>16</sub>	
00 06 <sub>16</sub>	language_code_type
00 07 <sub>16</sub>	language_code_type_specific
:	
:	

**FIG. 16**

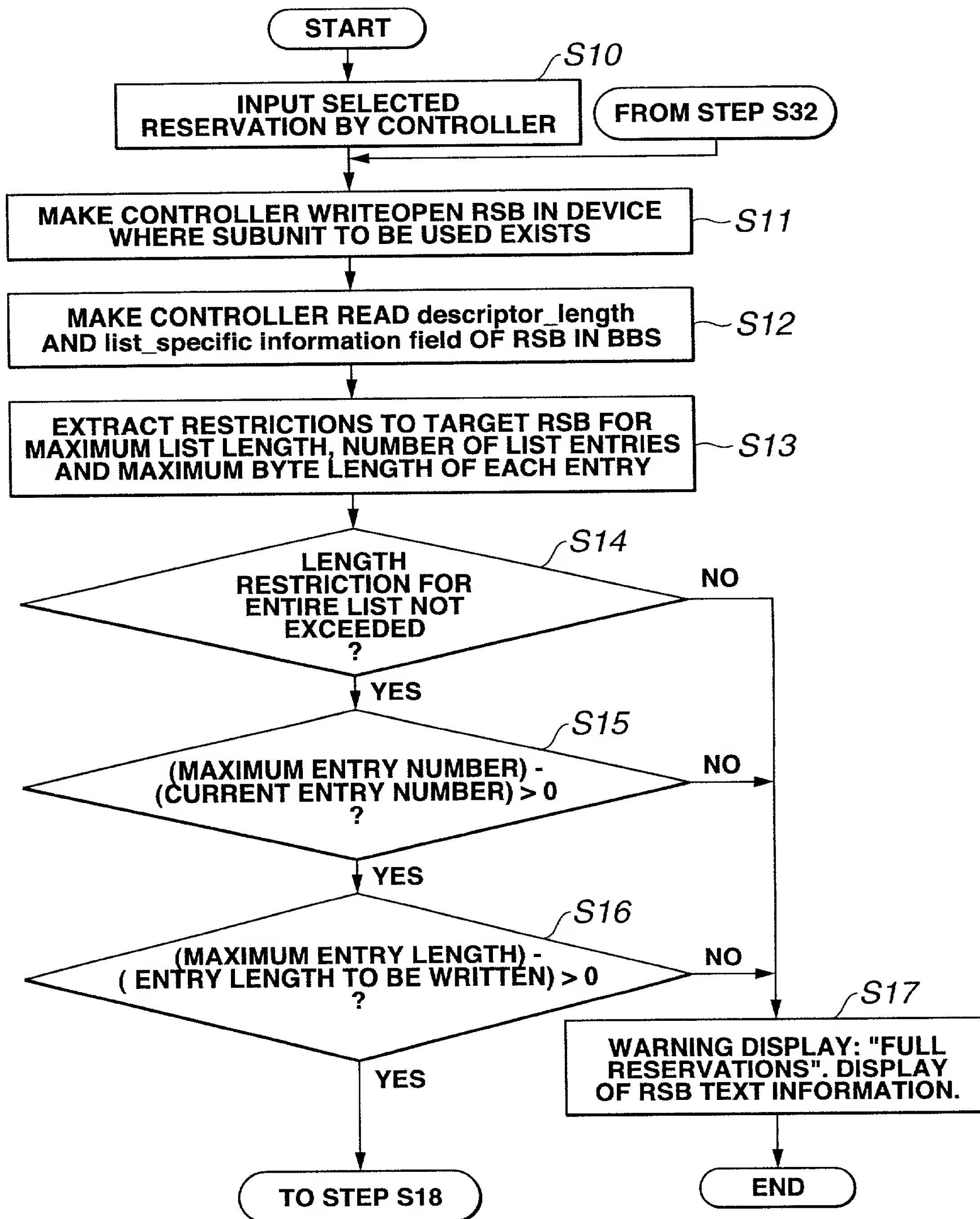
[illegible]

raw_text_info_block	
Adress_offset	Contents
00 00 <sub>16</sub>	compound_length
00 01 <sub>16</sub>	
00 02 <sub>16</sub>	info_block_type=00 0A <sub>16</sub> (raw_text_info_block)
00 03 <sub>16</sub>	
00 04 <sub>16</sub>	primary_fields_length
00 05 <sub>16</sub>	
00 06 <sub>16</sub>	raw_text_data
:	
:	

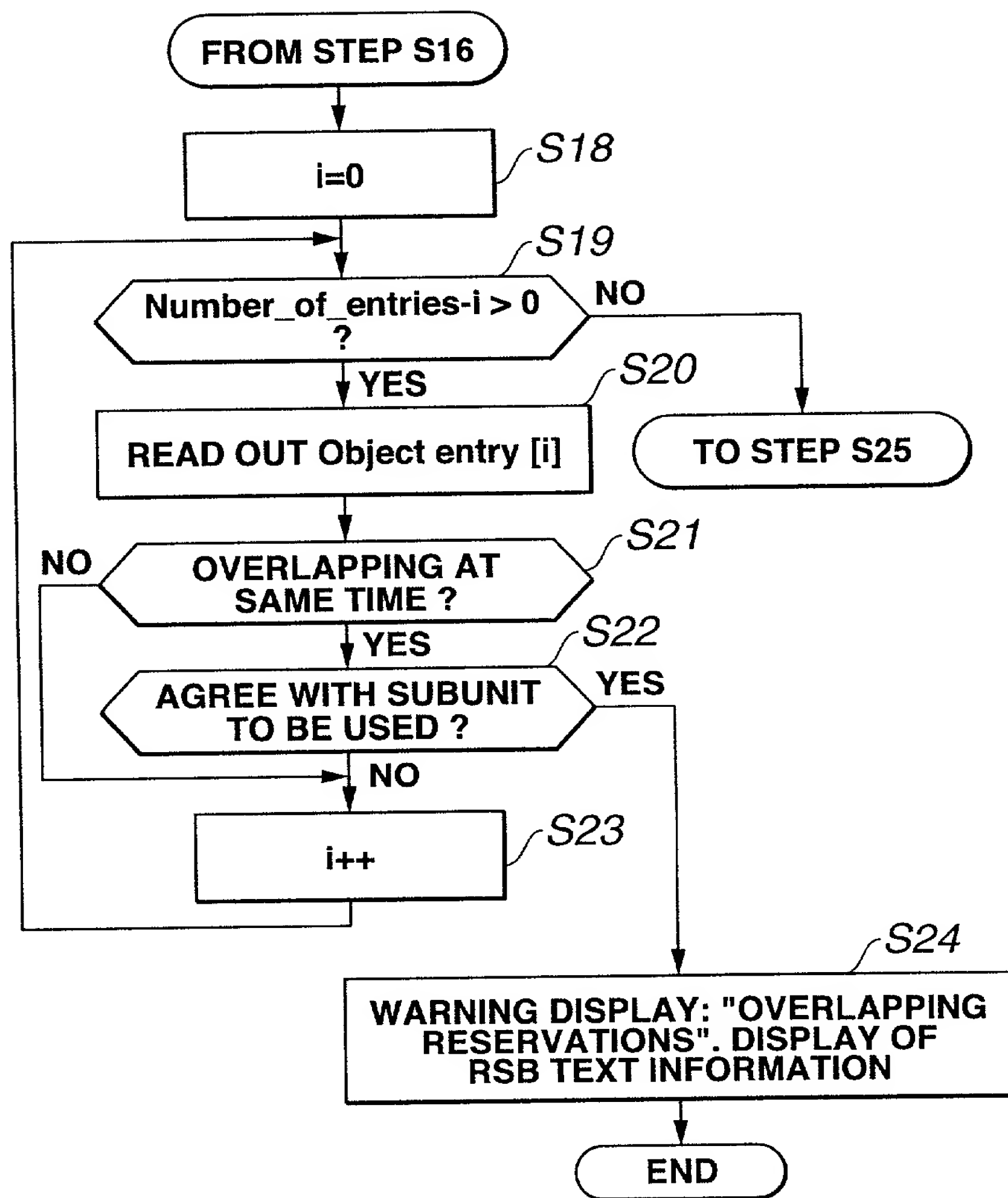
FIG.17

raw_text_data
CHANNEL
PROGRAM TITLE (PROGRAM)
CONTROL INFORMATION (REPLAY, RECORDING, STOP, ETC.)
REMARKS (PAY PER VIEW)
PROVIDER
PRELIMINARILY RESERVED

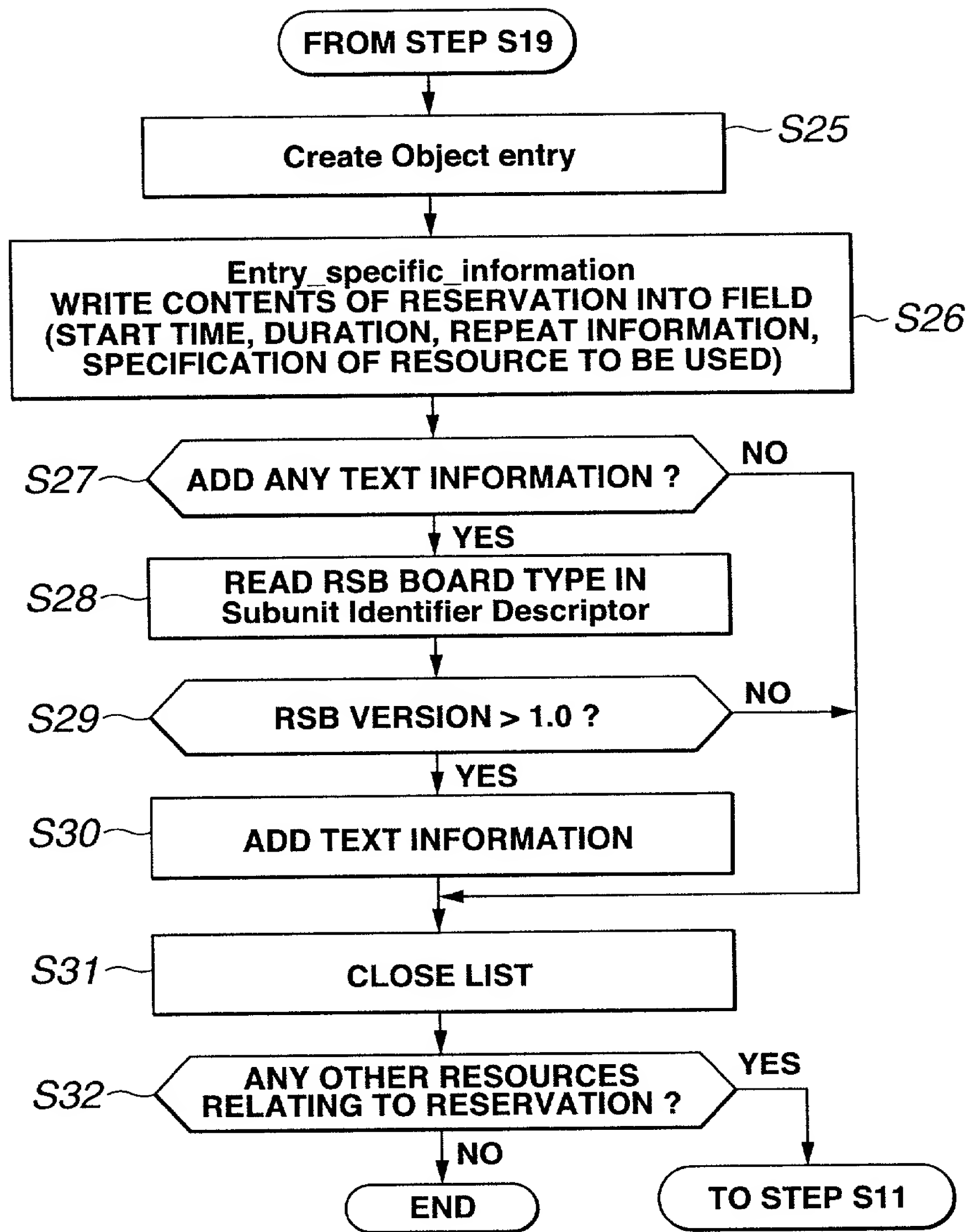
**FIG. 18**



**FIG.19**



**FIG.20**



**FIG.21**

opcode	OPEN DESCRIPTOR
operand 0	descriptor_type=10 <sub>16</sub>
operand 1	List ID:00 <sub>16</sub>
operand 2	List ID:01 <sub>16</sub>
operand 3	subfunction WRITE OPEN 03 <sub>16</sub>
operand 4	reserved 00 <sub>16</sub>

FIG.22

	msb						lsb
opcode	READ DESCRIPTOR (09 <sub>16</sub> )						
operand 0	descriptor identifier						
operand 1	:						
:	:						
:	read_result_status						
:	reserved : 00 <sub>16</sub>						
:	data_length						
:	address						

FIG.23



	msb						lsb
opcode	CREATE DESCRIPTOR (00 <sub>16</sub> )						
operand 0	result						
operand 1	subfunction_1						
operand 2	reserved						
operand 3	subfunction_1_specification						
:							
:							

FIG.24

values of subfunction_1	meaning
00 <sub>16</sub>	create a new descriptor
01 <sub>16</sub>	create a new object and its child list
all other values	reserved for future specification

FIG.25

subfunction_1_specification for subfunction_1=01 <sub>16</sub>								
	msb							lsb
operand 3	descriptor_identifier_where							
:								
:								
:	descriptor_identifier_what_1							
:								
:								
:	descriptor_identifier_what_2							
:								
:								

FIG.26

descriptor_type of descriptor_identifier_ where	descriptor_type of descriptor_identifier_ what_1	descriptor_type of descriptor_identifier_ what_2	meaning
20 <sub>16</sub>	22 <sub>16</sub>	11 <sub>16</sub>	Create an object and its child list. create the new object and place it in the location specified by where, the entry_type is specified by what_1. Also create the new list as the child of the new object. The list_type is specified by what_2.
all other values			reserved for future specification

FIG.27

opcode	WRITE DESCRIPTOR (OA <sub>16</sub> )
operand 0	descriptor identifier
:	subfunction:partial_replace(50 <sub>16</sub> )
:	group_tag:immediate(00 <sub>16</sub> )
:	replacement_data_length
:	address
:	original_data_length
:	replacement_data

FIG.28

descriptor_length
generation_ID
size_of_list_ID
size_of_object_ID
size_of_object_position
number_of_root_object_lists(n)
root_object_list_id_0
...
root_object_list_id_n-1
subunit_dependent_information_length
subunit_dependent_information
non_info_block_fields_length
bulletin_board_subunit_version
number_of_supported_board_types(n)
supported_board_type_specific_info_length[0]
supported_board_type_specific_info[0]
supported_board_type
supported_board_type_version
implementation_profile_ID
supported_board_type_dependent_info_length
supported_board_type_dependent_info
...
supported_board_type_specific_info_lengh[n-1]
supported_board_type_specific_info[n-1]
supported_board_type
supported_board_type_version
implementation_profile_ID
supported_board_type_dependent_info_length
supported_board_type_dependent_info
optional blocks for future expansion
manufacturer_dependent_length
manufacturer_dependent_information

FIG.29

Value	List definition
1001 <sub>16</sub>	Resource Schedule List
1002-10FF <sub>16</sub>	reserved

FIG.30

Address_offset	Contents
00 <sub>16</sub>	supported_board_type
01 <sub>16</sub>	supported_board_type_version
02 <sub>16</sub>	implementation_profile_ID
03 <sub>16</sub>	supported_board_type_dependent_information_length
04 <sub>16</sub>	
05 <sub>16</sub>	
:	supported_board_type_dependent_information
:	

FIG.31

09261463 001601

opcode	OPEN DESCRIPTOR
operand 0	descriptor_type=10 <sub>16</sub>
operand 1	List ID:00 <sub>16</sub>
operand 2	List ID:01 <sub>16</sub>
operand 3	subfunction CLOSE 00 <sub>16</sub>
operand 4	reserved 00 <sub>16</sub>

FIG.32

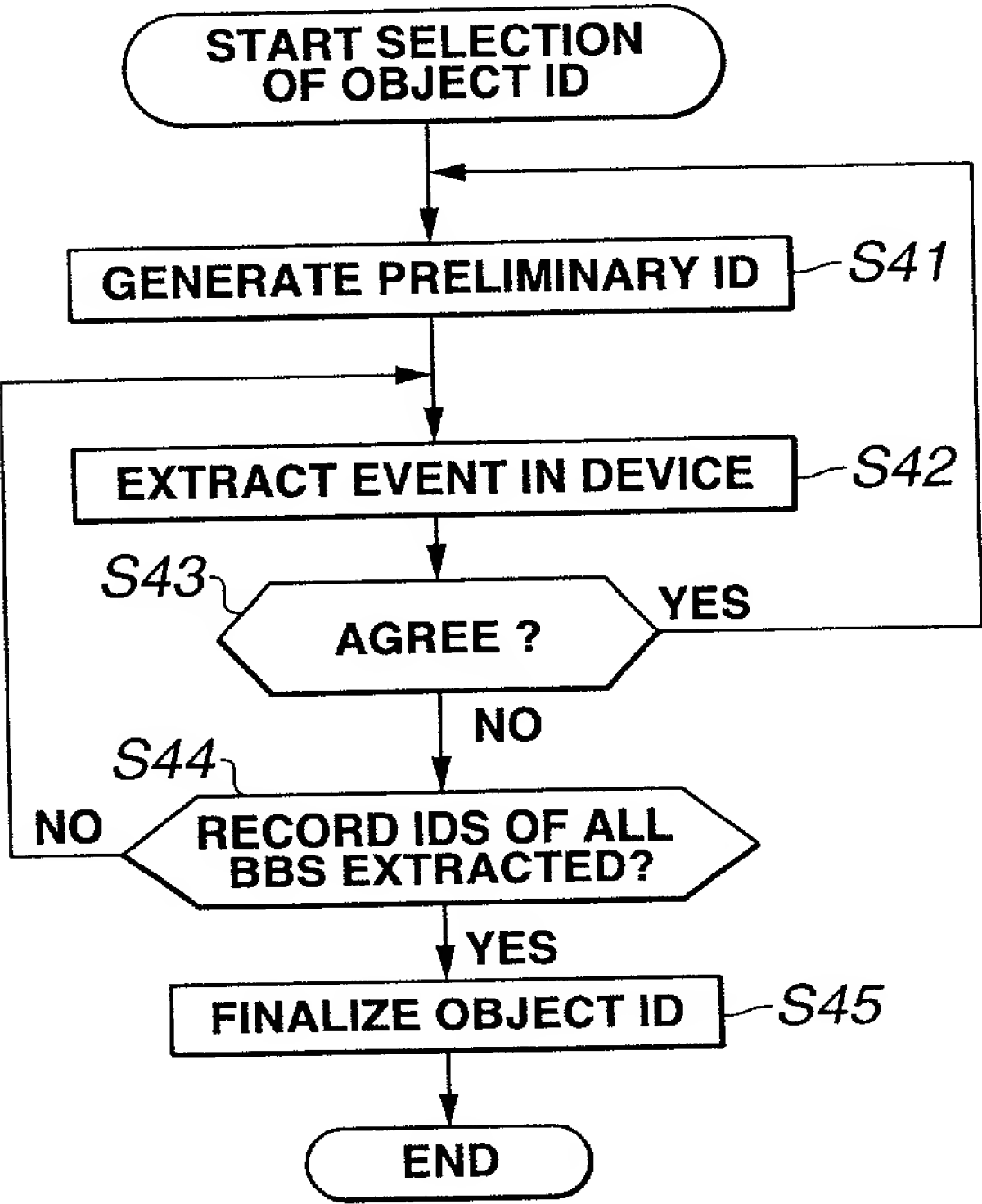
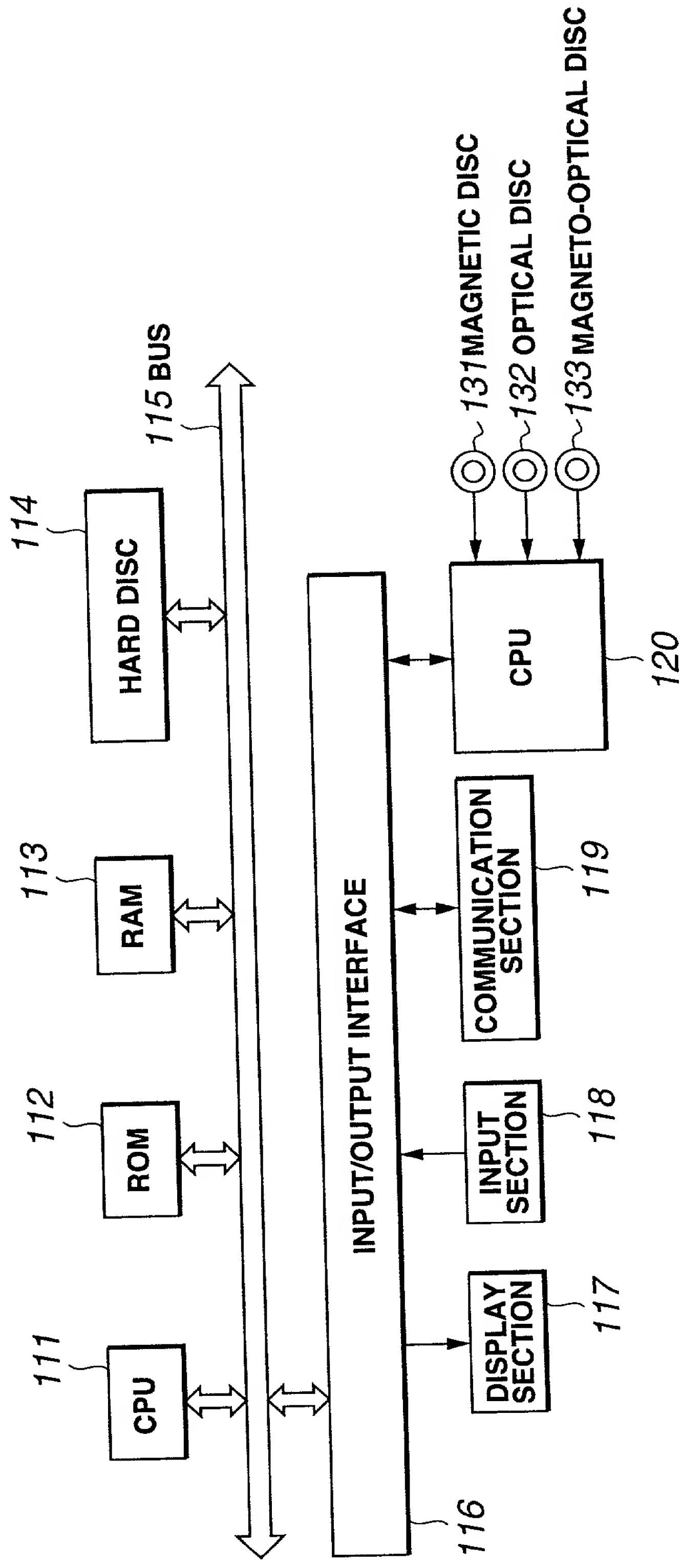


FIG.33





101

FIG.34